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IN THE CLAIMS:

1. (Currently amended) A method, operable in a data processing system having a plurality of processes, for performing [[a]] communication management-connection, comprising the steps of:

sending a communication management request from a first process within [[the]] said plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes, wherein a private data field contains communication attributes for a plurality of communication connections and unreliable datagram resolutions;

retrieving the receiving a reply to said communication establishment request;
, under control of the adapter, via the communication establishment message from the host; and

responsive to [[the]] <u>said</u> second process within the plurality of processes allowing [[the]] <u>said</u> communication management request, initiating, under control of [[the]] <u>said</u> adapter, multiple communication connections and unreliable datagram resolutions.

- 2. (Currently amended) The method as recited in claim 1, wherein [[the]] said first process within the plurality of processes is an active side of the process.
- 3. (Currently amended) The method as recited in claim 1, wherein [[the]] said second process within the plurality of processes is a passive side of the process.
- 4. (Canceled)
- 5. (Currently amended) The method as recited in claim 4, wherein the first host said channel adapter is a host channel adapter.
- 6. (Currently amended) The method as recited in claim 4, wherein the second host said channel adapter is a destination host channel adapter.

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- 7. (Canceled
- 8. (Currently amended) The method as recited in claim 1, further comprising:

 determining [[the]] that said first process within [[the]] said plurality of processes

 has received a multiple connections and unreliable datagram resolutions reply message

 from [[the]] said second process within a specified period of time;

passing the multiple connections and unreliable datagram resolutions said reply message to [[the]] said first process-within the plurality of processes; and processing the multiple connections and unreliable datagram resolutions said reply message.

- 9. (Currently amended) The method as recited in claim 1, further comprising: determining [[the]] that said first process within the plurality of processes has not received a multiple connections and unreliable datagram resolutions said reply message from [[the]] said second process within a specified period of time; and aborting a multiple connections and unreliable datagram resolutions communication establishment process.
- 10. (Currently amended) The method as recited in elaim 1, further claim 8, further comprising:

responsive to a multiple connections and unreliable datagram resolutions said reply message being received by [[the]] said first process within the plurality of processes, creating a multiple connections and unreliable datagram resolutions communication management message; and

posting the multiple connections and unreliable datagram resolutions said communication management message as a work request on a communication management send queue associated with [[the]] said first process-within the plurality of processes.

- 11. (Currently amended) The method as recited in claim 10, wherein the multiple communication management to the multiple connections and unreliable datagram resolutions gaid communication management to the multiple communication and unreliable datagram resolutions "ready to use" to the communication management message.
- 12. (Currently amended) The method as recited in claim 10, further comprising:

 converting, by a channel interface, the multiple connections and unreliable

 datagram resolutions said work request into a work queue element;

 processing, by a channel adapter, [[the]] said work request; and

 sending the multiple connections and unreliable datagram resolutions said

 communication management message to [[the]] said second process within the plurality

 of processes.
- 13. (Currently amended) A method, operable in a data processing system having a plurality of processes, for performing a establishing multiple connections, and unreliable datagram resolutions communication connection, said method comprising the steps of:

receiving a communication management sending a connection establishment request from a first process within [[the]] said plurality of processes via a communication establishment request for multiple connections and unreliable datagram resolutions message to an adapter associated with a second process within [[the]] said plurality of processes, wherein a private data field contains a connection indicator:

sending a multiple connections and unreliable datagram resolutions receiving a reply communication establishment message, to said connection establishment request; under control of the adapter, to the first process within the plurality of processes; and

responsive to [[the]] <u>said</u> second process within the plurality of processes
receiving the multiple connections and unreliable datagram resolutions reply
communication establishment message from the first process within the plurality of
processes approving said request, establishing multiple communication connections
between [[the]] <u>said</u> first process within the plurality of processes and [[the]] <u>said</u> second
process within the plurality of processes.

placing the multiple connections and unreliable datagram resolutions said

communication establishment request message in a receive queue of a communication with [[the]] said second process within the plurality of processes; and.

passing the multiple connections and unreliable datagram resolutions said communication establishment request message to [[the]] said second process—within the plurality of processes.

15. (Currently amended) The method as recited in claim 13, further comprising: posting the multiple connections and unreliable datagram resolutions a reply to said communication establishment message request as a work request on a communication management send queue associated with [[the]] said second process within the plurality of processes; and

converting [[the]] <u>said</u> work request into a work queue element by a channel interface.

- 16. (Currently amended) The method of claim 13, wherein [[the]] said multiple connections and unreliable datagram resolutions are considered established when the passive side said second process receives one of a message from at least one established connection and a "ready to use" message.
- 17. (Currently amended) A system, comprising:
 - a bus system;
 - a communications unit connected to [[the]] said bus system;
- a memory, including a set of instructions, connected to [[the]] said bus system; and
- a processing unit connected to [[the]] <u>said</u> bus system, wherein [[the]] <u>said</u> processing unit includes at least one processor, wherein [[the]] <u>said</u> processing unit executes [[the]] <u>said</u> set of instructions to send a communication management request, via [[the]] <u>said</u> communications unit, from a first process within [[the]] <u>a</u> plurality of processes <u>via a communication establishment message</u> to an adapter associated with a

second process within [[the]] <u>said</u> plurality of processes, <u>retrieve the communication</u> <u>research to the said plurality of processes, retrieve the communication request, under control of the adapter, via the communication establishment request, under control of the adapter, via the communication establishment request, under control of the adapter, via the communication establishment request.</u>

responsive to [[the]] <u>said</u> second process <u>within the plurality of processes</u>
allowing [[the]] <u>said</u> communication management request, initiates, under control of [[the]] <u>said</u> adapter, multiple communication connections and unreliable datagram resolutions.

- 18. (Currently amended) A system, comprising:
 - a bus system;
 - a communications unit connected to [[the]] said bus system;
- a memory, including a set of instructions, connected to [[the]] said bus system; and

a processing unit connected to [[the]] <u>said</u> bus system, wherein [[the]] <u>said</u> processing unit includes at least one processor, wherein [[the]] <u>said</u> processing unit executes [[the]] <u>said</u> set of instructions to receive a communication management <u>send</u> a <u>connection establishment</u> request, via [[the]] <u>said</u> communications unit, from a first process within [[the]] <u>a plurality of processes via a communication establishment request message</u> to an adapter associated with a second process within [[the]] <u>said</u> plurality of processes, sends a reply communication establishment message, under control of the adapter, to the first process within the plurality of processes, and responsive to [[the]] <u>said</u> second process within the plurality of processes receiving the reply communication establishment message accepting said connection establishment request from [[the]] <u>said</u> first process within the plurality of processes, establishes multiple communication connections and unreliable datagram resolutions between [[the]] <u>said</u> first process within the plurality of processes.

19. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a communication connection, comprising:

sending means for sending a multiple connections and unreliable datagram resolutions communication management request, containing multiple requests for

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plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes; retrieving means for retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host; and

initiating means, responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

20. (Currently amended) A system, operable in a data processing system having a plurality of processes, for performing a <u>plurality of communication connections</u>, comprising:

receiving means for receiving a multiple connections and unreliable datagram resolutions communication management connection establishment request from a first process within [[the]] said plurality of processes via a communication establishment request message to an adapter associated with a second process within [[the]] said plurality of processes;

sending means for sending a multiple connections and unreliable datagram resolutions reply communication establishment message, under control of [[the]] said adapter, to [[the]] said first process within the plurality of processes; and

establishing means, responsive to [[the]] said second process within the plurality of processes receiving the reply said communication establishment message from [[the]] said first process-within the plurality of processes, for establishing multiple communication connections and unreliable datagram resolutions between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.

21. (Currently amended) A computer program product in a computer-readable medium for performing a communication connection, comprising:

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instructions for sending a multiple connections and unreliable datagram resolutions communication management request from a first process withinf [the] panimulatement request tree plurality of processes via a communication establishment message to an adapter associated with a second process within [[the]] said plurality of processes; instructions for retrieving the multiple connections and unreliable datagram resolutions communication establishment request, under control of the adapter, via the communication establishment message from the host; and

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instructions, responsive to [[the]] said second process within the plurality of processes allowing [[the]] said communication management request, for initiating, under control of [[the]] said adapter, multiple communication connections and unreliable datagram resolutions.

22. (Currently amended) A computer program product in a computer-readable medium for performing [[a]] multiple communication connections, comprising;

instructions for receiving a multiple connections and unreliable datagram resolutions communication management scnding a connection establishment request from a first process within [[the]] a plurality of processes via a communication establishment request message to an adapter associated with a second process within [[the]] said plurality of processes; instructions for sending a multiple connections and unreliable datagram resolutions reply communication establishment message, under control of the adapter, to the first process within the plurality of processes; and

instructions, responsive to [[the]] said second process within the plurality of processes receiving the reply communication accepting said connection establishment message request from [[the]] said first process within the plurality of processes, for establishing multiple communication connections and unreliable datagram resolutions between [[the]] said first process within the plurality of processes and [[the]] said second process within the plurality of processes.

23. (New) The method of claim 13, wherein said communications indicator contains communication attributes for a plurality of connections.

24. (New) The method of claim 13, wherein said communications indicator contains an amend a connection group.

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